### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start		Rating **	М	Issue No.		3	
LM End		Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Flood Preparedness & Training				0		0
пеш	m o						0
DWR ID DWR_RD0556_01_f _ 2014_3							
		Action/	Commer	nts			

Inspector Comments: The members in the district have not been flood fight trained recently according to the district manager.

LM Start Rating \*\* Issue No. Μ 6 Location \* LM End Issue Type + Ma WS Earthen Levee GPS Latitude/Longitude Category Start End Operations & Maintenance Item DWR ID DWR\_RD0556\_01\_s \_ 2012\_6 Action/Comments

Inspector Comments: District president has the O&M Manual.

LM Start		Rating **	M	Issue No.		8	
LM End		Issue Type +	Ма	Location *		N/A	
Category	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Emergency Supplies &				0		0
пеш	Equipmen	nt			0		0
DWR ID	DWR_RD0	556_01_f _ 201	4_8				
		Action/	Comme	nts			

Inspector Comments: According to the district manager, when they need supplies they will order them, there are no supplies stored.

No Photos

No Photos

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.08	Rating **	U	Issue No.		72	
LM End	0.22	Issue Type +	Ma	Location *		WS	
Category	evee		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Vegetation			38.2379	25 °	38.236055	0
пеш				-121.5182	00 °	-121.518040	0
DWR ID DWR_RD0556_01_s _ 2015_72							

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Remove the unacceptable wild growth.



RD 556 Unit 1 looking back upstream wild roses and other tall weeds on the levee slope.

LM Start	0.16	Rating **	М	Issue No.		381		
LM End	0.57	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thin Trees				97 °	38.232032 °		
пеш	-121.518073 ° -121.522000 °							
DWR ID DWR_RD0556_01_s _ 2015_381								
Action/Comments								

Trim trees to at least five feet above ground level.

No Photos

LM Start	0.22	Rating **	U	Issue No.	Issue No. 26		
LM End	1.70	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		38.2360	55 °	38.224305 °	
item	-121.518035 ° -121.537263 °						
DWR ID DWR_RD0556_01_f _ 2014_26							
Action/Comments							

Trees / Woody Vegetation

Inspector Comments: The woody tree growth blocks view of the levee slope.



Woody tree growth on the landward levee slope.

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
U: Unacceptable
U: Unacceptable
A: Not Inspected/Rated
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

\*\* Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.27	Rating **	U	Issue No.		30		
LM End	0.61	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory		Start		End				
Item	Vegetatio		38.23542	7 °	38.231538 °			
пеш	-121.518523 ° -121.522553 °							
DWR ID DWR_RD0556_01_f _ 2014_30								
	Action/Comments							

### Trees / Woody Vegetation

Inspector Comments: Remove the young willow trees from waterside slope.



Unacceptable wild tree growth on the waterside alope.

LM Start	0.42	Rating **	U	Issue No.		61	
LM End	0.42	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachments			38.2337	75 °	38.233775	0
пеш				-121.5203	51 °	-121.520351	0
DWR ID	DWR_RD0556_01_f _ 2012_61						

#### Action/Comments

I ree or limb

Inspector Comments: There is a dead tree at this location. Remove it from the levee section. The district is aware of this issue.



This fallen tree hasn't been removed from levee section waterward.

LM Start	0.47	Rating **	М	Issue No.		32		
LM End	0.57	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	n Trees		38.23313	3°	38.232032	0		
пеш				-121.52095	3°	-121.522003	0	
DWR ID DWR_RD0556_01_f _ 2014_32								
A ation/Commants								

Action/Comments

Trim trees to at least five feet above ground level.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.62	Rating **	U	Issue No.	376		
LM End	0.90	Issue Type +	Ма	Location *	LS		
Category	evee		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Vegetation				35 °	38.228602	0
item				-121.5226	75 °	-121.526289	0
DWR ID DWR_RD0556_01_s _ 2014_376							
Action/Comments							

Trees / Woody Vegetation

Inspector Comments: District should remove these unacceptable fig trees from the landside levee section.



Remove the fig trees on the landside shoulder and toe.

LM Start	0.66	Rating **	М	Issue No.		7	
LM End	1.34	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation			38.2310	11 °	38.227508	0
item	-121.523246 ° -121.532396 °					0	
DWR ID	DWR ID DWR_RD0556_01_s _ 2013_7						

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

No Photos

LM Start	0.80	Rating **	М	Issue No.		12	
LM End	3.36	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Animal Control			38.2294	59°	38.208959 °	
пеш				-121.5248	)5 °	-121.541368 °	
DWR ID DWR_RD0556_01_s _ 2012_12							
Action/Comments							

Exterminate rodents and backfill and compact or grout burrows.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma: Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.95	Rating **	М	Issue No.	1		
LM End	1.22	Issue Type +	Ma	Location *	LS		
Category	.evee	GPS La	tituc	le/Longitude			
Category	ategory			Start		End	
Item	Animal Control			38.2280	16°	38.227854 °	
item				-121.5268	° 86	-121.530291 °	
DWR ID	DWR_RD0	556_01_f _ 201	4_1				
Action/Comments							
Exterminat	te rodents	and backfill a	nd comp	act or grout	bur	rows.	

No Photos

Rating \*\* Issue No. LM Start 1.05 Μ 36 LM End 1.27 Issue Type + Ma Location \* LS Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 38.226780 ° 38.227966 ° Item -121.527465 ° -121.531176 ° DWR ID DWR\_RD0556\_01\_f \_ 2012\_36 Action/Comments

No Photos

Thin trees to allow visibility of the ground and room to flood fight.

LM Start	1.08	Rating **	М	Issue No.	14		
LM End	1.08	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	ategory				Start		
Item	Erosion /	Bank Caving		38.2268	87 °	38.226887	0
пеш				-121.5280	22 °	-121.528022	٥
DWR ID DWR_RD0556_01_s _ 2012_14							
	Action/Comments						

No Photos

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

CR: Crown

Note and monitor erosion site.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.31	Rating **	М	Issue No.		45	
LM End	1.31	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	Animal Control			38.22778	88 °	38.227788 °	
Item				-121.53182	25 °	-121.531825 °	
DWR ID	DWR_RD0	556_01_f _ 201	4_45				
	Action/Comments						
Exterminate rodents and backfill and compact or grout burrows.							
	F 9						

No Photos

LM Start	1.34	Rating **	М	Issue No.		384	
LM End	1.34	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory			Start		End		
ltom	Trim / Thi		38.2275	76 °	38.227561 °		
пеш	-121.532293 ° -121.532306						
DWR ID DWR_RD0556_01_f _ 2013_384							
	Action/Comments						

No Photos

Trim trees to at least five feet above ground level.

LM Start	1.37	Rating **	М	Issue No.		29
LM End	1.38	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory			Start		End	
Item	Trim / Thi	n Trees		38.2273	20°	38.227216 °
пеш				-121.5327	07 °	-121.532870 °
DWR ID DWR_RD0556_01_s _ 2013_29						
Action/Comments						

No Photos

Thin trees to allow visibility of the ground and room to flood fight.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.39	Rating **	М	Issue No.		79					
LM End	1.39	Issue Type +	Ma	Location *		LS					
Catagony	Category Earthen Levee							GPS La	titud	le/Longitude	
Calegory				Start		End					
Vegetation Item			38.22708	32 °	38.227072	0					
пеш				-121.5330°	10 °	-121.533083	0				
DWR ID	DWR_RD0	556_01_s _ 201	5_79								
Action/Comments											
Remove th	ne wild gro	wth other thar	native o	grasses fror	n th	e levee					

No Photos

Rating \*\* Issue No. LM Start 1.40 Μ 21 1.40 Issue Type + Ma Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Erosion / Bank Caving 38.227016 ° 38.227016 ° Item -121.533105 ° -121.533105 ° DWR ID DWR\_RD0556\_01\_f \_ 2012\_21 Action/Comments

No Photos

Rating \*\* 1.43 Issue No. LM Start M Location \* 1.43 Issue Type + Ма LS LM End

Earthen Levee GPS Latitude/Longitude Category Erosion / Bank Caving 38.226537° 38.226537 Item -121.533512 ° -121.533512 ° DWR ID DWR\_RD0556\_01\_f \_ 2012\_40

No Photos

Action/Comments

Note and monitor erosion site.

Note and monitor erosion site.

slopes.

Location LS : Land Side N/A : Not Applicable WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.50	Rating **	М	Issue No.	22		
LM End	1.50	Issue Type +	Ма	Location *	LS		
Category Earthen Levee GPS Latitude/Longit					le/Longitude		
Calegory				Start		End	
Item	Erosion /	Erosion / Bank Caving			0 °	38.225840	0
пеш				-121.53415	7 °	-121.534157	0
DWR ID	DWR_RD0556_01_s _ 2012_22						
Action/Comments							

Note and monitor erosion site.

Inspector Comments: Monitor this erosion.

No Photos

LM Start	1.57	Rating **	М	Issue No.		386
LM End	1.67	Issue Type +	Ма	Location *	LS	
Category Earthen Levee				GPS La	titud	le/Longitude
Calegory				Start		End
ltom	Vegetatio	/egetation			95 °	38.224486 °
Item				-121.53509	94 °	-121.536766 °
DWR ID	DWR_RD0556_01_f _ 2013_386					
		Action/	Comme	nte		

Remove the wild growth other than native grasses from the levee slopes.

No Photos

LM Start	1.75	Rating **	U	Issue No.		49	
LM End	1.99	Issue Type +	+ Ma Location *			WS	
Catagony	Earthen Levee				GPS Latitude/Longitude		
Category			Start		End		
Item	Vegetatio	Vegetation			20°	38.223590 °	
пеш				-121.5381	37 °	-121.542387 °	
DWR ID	DWR_RD0	0556_01_f _ 201	4_49				

Action/Comments

Trees / Woody Vegetation

Inspector Comments: Remove the unacceptable tree growth from the levee section on the waterward side.



Woody tree growth blocks view of the waterward slope.

Location LS : Land Side N/A : Not Applicable WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.92	Rating **	М	Issue No.	387		
LM End	4.12	Issue Type +	Ма	Location *	LS		
Category	Category Earthen Levee				GPS Latitude/Longitude		
Category				Start	End		
Item	Vegetatio	Vegetation			13 °	38.200105	0
пеш				-121.5412	16 °	-121.545338	0
DWR ID	DWR_RD0	556_01_f _ 201	3_387				
Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.

Rating \*\* Issue No. LM Start 2.17 Μ 50 3.19 Issue Type + Ma Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category End Start Vegetation 38.221937 ° 38.210658 ° Item -121.544638 ° -121.539230 °

DWR ID DWR\_RD0556\_01\_f \_ 2014\_50 Action/Comments

Control annual grass and weeds on the levee slopes and easements.

Rating \*\* Issue No. LM Start M Location \* 2.50 Issue Type + Ма LS LM End Earthen Levee GPS Latitude/Longitude Category Trim / Thin Trees 38.217757° 38.217285 Item -121.543827 ° -121.543693 ° DWR ID DWR\_RD0556\_01\_f \_ 2012\_42 Action/Comments

Trim trees to at least five feet above ground level.

No Photos

No Photos

No Photos

N: Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	2.72	Rating **	М	Issue No.	88			
LM End	2.73	Issue Type +	Ма	Location *	LS			
Catagony	Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start End				
Item	Erosion / Bank Caving			38.21512	5 °	38.215085	0	
пеш				-121.54075	7 °	-121.540655	0	
DWR ID	DWR_RD0							
		Action/	Commo	ntc				

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Trees fell causing this erosion. The ground is sandy at this location.

No Photos

Rating \*\* Issue No. LM Start 3.13 Μ 62 3.15 Issue Type + Ma Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category End Start **Animal Control** 38.211060 ° 38.210913 Item -121.538132 ° -121.538462 ° DWR ID DWR\_RD0556\_01\_f \_ 2014\_62

Action/Comments

Repair the levee slope damaged by livestock and prevent large animal access.

Inspector Comments: Possible beaver den in area; activity at this location.

No Photos

Rating \*\* Issue No. LM Start 3.13 3.24 Issue Type + Ма Location \* WS LM End Earthen Levee GPS Latitude/Longitude Category Vegetation 38.211040° 38.210373 Item -121.538123 ° -121.539982 ° DWR ID DWR\_RD0556\_01\_s \_ 2015\_90

Action/Comments

Remove the wild growth other than native grasses from the levee

Inspector Comments: Remove wild growth, trim under the fig trees, and spray the wild berries.

No Photos

Location LS : Land Side N/A : Not Applicable WS: Water Side

CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	3.17	Rating **	М	Issue No.	52		_	
LM End	3.18	Issue Type +	Ма	Location *	LS			
Catagory	Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Trim / Thin Trees			38.21083	39 °	38.210767	0	
пеш				-121.53877	′3 °	-121.538952	0	
DWR ID	DWR_RD0	556_01_f _ 201	2_52					
Action/Comments								

Thin trees to allow visibility of the ground and room to flood fight.

LM Start	3.17	Rating **	М	Issue No.	91		
LM End	3.22	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start End			
Item	Vegetatio	n		38.21078	37 °	38.210518	0
пеш				-121.53887	77 °	-121.539725	0
DWR ID DWR_RD0556_01_s _ 2015_91							
	Action/Comments						

Remove the wild growth other than native grasses from the levee slopes.

LM Start	3.24	Rating **	M	Issue No.		65	
LM End	3.25	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start	End		
Item	Animal Co	ontrol		38.210363 °		38.210270	c
item				-121.5400	20 °	-121.540207	c
DWR ID	DWR_RD0	556_01_s _ 201	3_65				
	Action/Comments						

Exterminate rodents and backfill and compact or grout burrows.

No Photos

No Photos

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	3.26 Rating ** M		Issue No.		395		
LM End	3.37	Issue Type +	Ма	Location * LS		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Vegetatio	n		38.21018	85 °	38.208899	0
item			-121.54026	64 °	-121.541340	0	
DWR ID DWR_RD0556_01_f _ 2013_395							

#### Action/Comments

Remove the wild growth other than native grasses from the levee

Inspector Comments: This wild growth is unacceptable and blocking visibility and access.



Unacceptable wild growth of cactus completely blocking visibility of the entire levee section.

LM Start	3.26	Rating **	М	Issue No. 13		13
LM End	3.26	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Category		Start		End		
Item	Trim / Thin Trees			38.2101	45 °	38.210145 °
item				-121.5403	37 °	-121.540337 °
DWR ID DWR_RD0556_01_f _ 2012_13						
		Action/	Commo	nte		

Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: These trees need to be trimmed and thinned in order to see the ground.

No Photos

LM Start	3.59	Rating **	U	Issue No. 68			
LM End	3.85	Issue Type +	Ma	Location * WS		WS	
Category	Category Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		38.20563	0°	38.202080 °	
пеш			-121.54164	7 °	-121.541003 °		
DWR ID	DWR_RD0	556_01_f _ 201	4_68				

#### Action/Comments

Trees / Woody Vegetation

Inspector Comments: Control the vegetation on the waterside levee section.

# Photo 1 of 1: SP\_2015\_RD0556\_18\_68\_20150312\_00016.jpg



Unacceptable woody tree growth on the waterside slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	3.69	Rating **	М	Issue No.	58		
LM End	4.17	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start End			End	
Item	Trim / Thi	n Trees		38.20431	7 °	38.199502	0
пеш				-121.54125	9 °	-121.545736	0
DWR ID	DWR ID DWR_RD0556_01_f _ 2012_58						
	Action/Comments						

Thin trees to allow visibility of the ground and room to flood fight.

No Photos

LM Start	4.03	Rating **	М	Issue No.	71		
LM End	5.47	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Ory			Start		End	
Item	Vegetatio	n		38.2009	90 °	38.186502	0
пеш				-121.5440	37 °	-121.562375	0
DWR ID DWR_RD0556_01_f _ 2014_71							
	Action/Comments						

Control annual grass and weeds on the levee slopes and easements.

No Photos

LM Start	4.05	Rating **	U	Issue No.		69
LM End	4.05	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory		Start		End		
Item	Animal Co	ontrol		38.99570	00 °	38.995700°
пеш			-120.34630	00 °	-120.346300 °	
DWR ID	DWR_RD0	556_01_s _ 201	5_69			

#### Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comments: There is a rodent hole in crown roadway more than 3-foot deep. The RD need to correct this issue.



This rodent hole iis in the levee crown roadway and goes down some 3-4 foot deep. Repairs are needed.

Location LS : Land Side N/A : Not Applicable WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

C : Corrected

N: Not Inspected/Rated A/W: Acceptable but Monitor & Maintain + Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	4.07	Rating **	М	Issue No.		66	
LM End	5.47	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Category					End	
Item	Vegetatio	n		38.20065	59 °	38.186542	0
пеш			-121.5447	11 °	-121.562411	0	
DWR ID DWR_RD0556_01_s _ 2013_66							
		Action/	Comme	nts			

Remove the wild growth other than native grasses from the levee

Inspector Comments: Remove the wild berries from the slope and toe of the levee section along with the tall weeds.

No Photos

LM Start	4.07	Rating **	U	Issue No.		67			
LM End	5.48	Issue Type +	Ma	Location *		WS			
Category	Earthen Levee					GPS Latitude/Longitude			
Calegory	Category				Start				
Item	Vegetatio	Vegetation			58 °	38.186464	0		
iteiii	item			-121.5447	11 °	-121.562550	0		
DWR ID	DWR_RD0	556_01_s _ 201	3_67						

#### Action/Comments

Remove the wild growth other than native grasses from the levee

Inspector Comments: Remove the wild weed growth and arundo from the waterside levee section.

# Photo 1 of 1: SP\_2015\_RD0556\_18\_67\_20150312\_00015.jpg



Unacceptable tall weeds along with arundo present on the waterside slope.

LM Start	4.41	Rating **	M	Issue No.		101	
LM End	5.48	Issue Type +	Ma	Location *	CR		
Category Earthen Levee			GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.1963	25 °	38.186487	0
пеш				-121.5477	65 °	-121.562548	0
DWR ID DWR_RD0556_01_s _ 2015_101							
		Action/	Comme	nts			

Keep the crown roadway free of vegetation.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	5.48	04/29/2015 04/29/2015	Herman Phillips

LM Start	5.12	Rating **	М	Issue No.		16
LM End	5.29	Issue Type +	Ма	Location *	WS	
Category			GPS La	tituc	le/Longitude	
Calegory				Start		End
Item	USACE E	rosion Survey	′	38.18977	5 °	38.187967 °
пеш				-121.55772	9 °	-121.559572 °
DWR ID	DWR_RD0556_01_f _ 2014_16					
			_			

#### Action/Comments

Inspector Comments: 1997 - Toe damaged rock. 1999 - One pocket filled with gravel. 2000 - Eroding beach with some biotech rolls and stakes; some gravel on slope. 2001 - Staked, low fascine walls at bankline. 2005 - Stone revetment in between pockets. 2006 - New rock on upper slope behind brush boxes at the upstream end, Stone is sliding off the hard toe. 2013: No observed changes. [2013 Site ID: GEO\_7-0\_R]



USACE 2013 Photo #1

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.		82
LM End	0.00	Issue Type +	Ма	Location *		WS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	Vegetation			o °	38.200550 °
item		-121.54419	°	-121.544190 °		
DWR ID	DWR_RD0556_02_s _ 2013_82					

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Both slopes downstream covered with wild growth.



Looking downstream waterside slope overgrown.

LM Start	80.0	Rating **	М	Issue No.		287	
LM End	2.00	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory						End	
Item	Vegetatio	Vegetation			34 °	38.239923 °	
item				-121.5196	84 °	-121.553800 °	
DWR ID	DWR_RD0556_02_f _ 2013_287						

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

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N٥	ר	М	n	n	C	15

LM Start	0.08	Rating **	М	Issue No.		65	
LM End	0.14	Issue Type +	Ма	Location *		WS	
Catagony	GPS Latitude/Longitude						
Category				Start		End	
Item	Vegetation			38.23907	7 °	38.238935	0
item		-121.51971	4 °	-121.520869	0		
DWR ID	DWR_RD0	556_02_s _ 201	3_65				

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	0.12	Rating **	U	Issue No.		32
LM End	2.87	Issue Type +	Ма	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory					Start	
Item	Trim / Thi	n Trees		38.23893	9 °	38.229108 °
пеш			-121.52036	°	-121.555298 °	
DWR ID	DWR_RD0556_02_f _ 2014_32					

#### Action/Comments

Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The trees should be trimmed up to allow the ground to be seen.



Woody tree growth on the waterside levee section.

LM Start	0.31	Rating **	М	Issue No.		28	
LM End	0.60	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory	y			Start		End	
Item	USACE E	JSACE Erosion Survey			84 °	38.237862	0
iteiii					32 °	-121.529188	0
DWR ID	DWR_RD0	556_02_f _ 201	4_28				

#### Action/Comments

Inspector Comments: 2002 - Two rocked sections (150 ft long) at the downstream end. 2005 - Lots of old brush boxes, some with established vegetation in the area behind the boxes. 2006 - Some small spots fixed with stone. 2009 - Minimal new erosion, rock in the middle of the reach may be new. 2011 - Minor new erosion at the toe. 2013: Minor new erosion. [2013 Site ID: SAC\_26-0\_L]



USACE 2013 Photo #1

LM Start	1.03	Rating **	М	Issue No.	27		
LM End	1.15	Issue Type +	Ma	Location *	WS		
Catagony	Category			GPS La	GPS Latitude/Longitude		
Calegory	Category		Start	End			
Item	USACE E	rosion Survey	/	38.23877	72 °	38.239265	0
пеш				-121.53678	88°	-121.538845	0
DWR ID	DWR_RD0	556_02_f _ 201	4_27				

#### Action/Comments

Inspector Comments: 1997 - Rock is in poor condition and has failed in many places. Scallops in berm with remnants of old rock in the toe area. 2005 - Brush boxes present. 2013: Site extended upstream approximately 300 ft to include new erosion pockets. [2013 Site ID: SAC\_25-2\_L]

### Photo 1 of 1: SP\_2015\_RD0556\_19\_27\_20150312\_00009.jpg



USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	1.08	Rating **	М	Issue No.		76		
LM End	5.72	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start End					
Item	Vegetatio	n		38.23875	2 °	38.191803	0	
пеш				-121.53768	7 °	-121.567603	0	
DWR ID DWR_RD0556_02_s _ 2015_76								
	Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.

No Photos

LM Start	1.45	Rating **	М	Issue No.		26	
LM End	1.59	Issue Type +	Ma	Location * WS		WS	
Category Supplemental			GPS Latitude/Longitude				
Category				Start		End	
Item	USACE Erosion Survey			38.2404	01 °	38.240772 °	
item	-121.544106 °					-121.546791 °	
DWR ID DWR_RD0556_02_f _ 2014_26							
		A .: /	_				

#### Action/Comments

Inspector Comments: 1997 - Slow erosion of the berm at the waterline; bench below water. 2005 - Brush boxes present. 2010 - Minor new erosion. 2013: There is little to no berm remaining at downstream end of this site. [2013 Site ID: SAC\_24-8\_L]



USACE 2013 Photo #1

LM Start	1.54	Rating **	М	Issue No.		79	
LM End	1.94	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	egory			Start		End	
Item	Vegetation			38.24045	2°	38.240508	0
пеш				-121.54594	5°	-121.553017	0
DWR ID DWR_RD0556_02_s _ 2015_79							

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	2.07	Rating **	М	Issue No.	55			
LM End	2.81	Issue Type +	Ма	Location *	LS			
Catagony	Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Calegory					End		
Item	Trim / Thi	n Trees		38.23935	53 °	38.229938 °		
пеш				-121.55499	98 °	-121.555556 °		
DWR ID DWR_RD0556_02_f _ 2012_55								
	Action/Comments							

Thin trees to allow visibility of the ground and room to flood fight.

No Photos

LM Start	2.93	Rating **	М	Issue No.		25	
LM End	3.04	Issue Type +	Ma	Location *		WS	
Category	Suppleme	GPS Latitude/Longitude					
Calegory	egory			Start		End	
Item	USACE E	SACE Erosion Survey			)2 °	38.226601 °	
пеш			-121.55550	)2 °	-121.555605 °		
DWR ID	VR ID DWR_RD0556_02_f _ 2014_25						

#### Action/Comments

Inspector Comments: 1997 - Few scallops in berm, some getting close to levee toe. 2005 - Brush boxes present. 2012 - More erosion of the toe since last year. 2013: No observed changes. [2013 Site ID: SAC\_23-3\_L]





USACE 2013 Photo #1

LM Start	3.16	Rating **	M	Issue No.		23	
LM End	3.28	Issue Type +	Ма	Location *	WS		
Category	Suppleme	ental		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	USACE E	rosion Survey	′	38.22485	0°	38.223233	0
пеш				-121.55564	1°	-121.555687	0
DWR ID	DWR RD0	556 02 f 201	4 23				

#### Action/Comments

Inspector Comments: 2000 - Recently fallen cottonwood at the downstream end. 2005 - Empty brush boxes. 2011 - A few trees have fallen since last year. 2012 - Potential new tree popout since last year. 2013: New erosion at downstream end of site and a recent tree pop-out observed. [2013 Site ID: SAC\_23-2\_L]





USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	3.24	Rating **	М	Issue No.		18	
LM End	3.26	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory		Start			End		
Item	Trim / Thi	n Trees		38.223689	°	38.223419	0
пеш				-121.555370 °		° -121.555404	
DWR ID	DWR_RD0	556_02_s _ 201	2_18				
			_				

Action/Comments

Trim and thin trees to allow visibility of the ground and room to flood fight.

No Photos

LM Start	3.58	Rating **	М	Issue No.		22	
LM End	3.64	Issue Type +	sue Type + Ma Location *			WS	
Category	Suppleme	ental		GPS La	atitud	de/Longitude	
Calegory				Start		End	
Item	USACE E	rosion Survey	′	38.2189	51 °	38.218104	0
iteiii				-121.5566	89 °	-121.556819	0
DWR ID	DWR_RD0	556_02_f _ 201	4_22				

#### Action/Comments

Inspector Comments: 1997 - Scallops into berm and very close to levee toe. 2005 - Brush boxes present. 2011 - New toe scour and freshly fallen tree. 2012 - New tree popout has taken significant portion of soil out of the levee. 2013: No observed changes. [2013 Site ID: SAC\_22-7\_L]



USACE 2013 Photo #1

LM Start	3.64	Rating **	М	Issue No.		58	
LM End	3.68	Issue Type +	Ma	Location *	LS		
Catagory	Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.2179	84 °	38.217491	0
пеш				-121.5565	37 °	-121.556630	0
DWR ID	DWR_RD0	0556_02_f _ 201	2_58				
		Action/	Comme	nte			

Thin trees to allow visibility of the ground and room to flood fight.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	3.83	Rating **	М	Issue No.		16	
LM End	4.13	Issue Type +	Ma	Location *	LS		
Catagony	Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.2153	19 °	38.210907	0
пеш			-121.5568	42 °	-121.556738	0	
DWR ID DWR_RD0556_02_s _ 2012_16							
	Action/Comments						

Thin trees to allow visibility of the ground and room to flood fight.

No Photos

LM Start	3.95	Rating **	М	Issue No.		21	
LM End	4.12	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	USACE E	rosion Survey	′	38.2135	81 °	38.211112 °	
пеш				-121.5571	97 °	-121.557042 °	
DWR ID	DWR_RD0	556_02_f _ 201	4_21				

#### Action/Comments

Inspector Comments: 2002 - Spot rock along berm, but not in the erosion pockets. 2005 - Some new minor stone revetment at the upstream end. Brush boxes present. 2006 - Currently installing new brush in downstream brush boxes. 2007 - Rock in middle portion for about 150 ft. 2010 - Some attempt at repairs but still has pockets of erosion. 2012 - More erosion along the toe. 2013: No observed changes. [2013 Site ID: SAC\_22-5\_L]



USACE 2013 Photo #1

LM Start	4.07	Rating **	U	Issue No.		84	
LM End	4.39	Issue Type +	Ma	Location *		LS	
Category	Earthen L	.evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.2118	67 °	38.207110	٥
пеш			-121.5567	78 °	-121.556832	٥	
DWR ID	DWR_RD0	0556_02_s _ 201	5_84				
		A -4:	C	-1-			

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

# **Reclamation District No. 0556 Upper Andrus**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	5.72	04/29/2015 04/29/2015	Herman Phillips

LM Start	4.44	Rating **	М	Issue No.		19	
LM End	4.49	Issue Type +	Ма	Location *		WS	
Category			GPS Latitude/Longitude				
Category			Start		End		
USACE Erosion Survey			38.2063	79 °	38.205733	0	
item				-121.5570	89 °	-121.556999	0
DWR ID	DWR ID DWR_RD0556_02_f _ 2014_19						

# Action/Comments

Inspector Comments: 2013: Erosion pockets encroaching on levee foundation. [2013 Site ID: SAC\_21-9\_L]



USACE 2013 Photo #1

LM Start	4.81	Rating **	М	Issue No.		85	
LM End	5.72	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Vegetation Item				38.2011	23 °	38.191803	٥
item				-121.5571	47 °	-121.567603	٥
DWR ID	DWR_RD0556_02_s _ 2015_85						

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

No Photos

LM Start	4.85	Rating **	М	Issue No.		3		
LM End	4.88	Issue Type +	Ma	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory				Start		End		
Item	USACE Erosion Survey			38.20064	6°	38.200225	0	
item				-121.55760	6°	-121.557749	0	
DWR ID	DWR_RD0	556_02_f _ 201	4_3					

#### Action/Comments

Inspector Comments: 1999 - Downstream 140 ft repaired with rock. 2010 - Lots of woody debris, but no changes to site. 2013: No observed changes. [2013 Site ID: SAC\_21-5\_L]



USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side	A : Acceptable M : Minimally Acceptable	N : Not Inspected/Rated C : Corrected	Ma: Maintenance Deficiancy Ob: Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement